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     (FILE 'HOME' ENTERED AT 17:53:50 ON 04 JUN 2008)
     FILE 'CA' ENTERED AT 17:54:33 ON 04 JUN 2008
L1   6887 S LUMINOL OR ISOLUMINOL
L2 286427 S (BLOOD OR HEMOGLOBIN OR HEMIN OR PEROXIDASE)(5A)(DETECT? OR
          DETERMIN? OR MEASUR? OR MONITOR? OR FIND? OR SEARCH? OR ASSAY? OR
          ANALY? OR SENSE# OR SENSING)
L3   1147 S L1 AND L2
L4   2570 S (HYDROGEN PEROXIDE OR H2O2 OR HOOH) AND L1
L5    369 S (NAOH OR KOH OR (NA OR SODIUM OR POTASSIUM OR K)(1A)(OH OR
          HYDROXIDE)) AND L1
L6    170 S L4 AND L5
L7    166 S L6 AND(CHEMILUM? OR LUMINESC? OR EMISSION OR EMITTED OR EMITTING)
L8     21 S L2 AND L6
L9    146 S L7 NOT L8
L10    11 S L9 AND(MM OR MMOL?)
L11    32 S L8,L10

=> d l11 1-32 bib,ab,it

L11  ANSWER 6 OF 32  CA  COPYRIGHT 2008 ACS on STN
AN   139:347002  CA
TI   Composition and process for detecting and locating traces of blood
IN   Lefebvre Despeaux, Jean Marc; Blum, Loic
PA   Roc Import, Monaco
SO   Fr. Demande, 29 pp.
PI   FR 2839155          A1    20031031    FR 2002-5230          20020425
     US 20050176082      A1    20050811    US 2004-509326        20041006
PRAI FR 2002-5230        A     20020425
AB   The title compn. comprises luminol or its deriv., hydrogen peroxide and
     NaOH, dild. in a solvent, preferably water.  The compn. is usable in
     forensics or for detecting traces of game blood during hunt.

L11  ANSWER 9 OF 32  CA  COPYRIGHT 2008 ACS on STN
AN   137:72183  CA
TI   On-line determination of transition metal ions by low-pressure ion
     chromatography with chemiluminescence detection
AU   Zhou, Guang-Ming; Liu, Ling; Yang, Guang-Ming; Zhang, Xin-Shen
CS   School of Chemistry and Chemical Engineering, Southwest Normal
     University, Chungking, 400715, Peop. Rep. China
SO   Sepu (2002), 20(3), 265-268
LA   Chinese
AB   The sepn. and detn. of five transitional metal ions, Co2+, Cu2+, Mn2+,
     Fe2+ and Cr3+ by low-pressure ion chromatog. with chemiluminescence
     detection were investigated for the first time.  The sepn. was carried
     out on a C3 ion chromatog. column by using a step gradient elution with
     the mobile phase of oxalic acid-citric acid soln.  The five
     transitional-metal ions could be sepd. simultaneously.  Luminol-H2O2-Mn+
     system was used as the flow injection chemiluminescence anal. system.
     Under the optimum conditions with 0.5 mmol L-1 luminol, 0.05 mol L-1
     H2O2 and 0.020 mol L-1 NaOH, the linear ranges (mg L-1) for Co2+, Cu2+,
     Mn2+, Fe2+ and Cr3+ were 0.001 - 0.1, 0.1 - 6, 0.06 - 4, 0.03 - 5 and
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0.025 - 1 resp.; the detection limit (μg L-1) for Co2+, Cu2+, Mn2+, Fe2+ and Cr3+ were 0.85, 85, 42, 21 and 20. The present method is simple, rapid, accurate and has been successfully applied to detect Co2+ in vitamin B12 and Co2+, Cu2+, Mn2+, Fe2+ and Cr3+ in human hair sample with satisfactory results.

L11 ANSWER 17 OF 32 CA COPYRIGHT 2008 ACS on STN
AN 119:43857 CA
OREF 119:7863a,7866a
TI Chemiluminescence determination of horseradish peroxidase and its conjugates with several systems
AU Yang, Xiucen; Wu, Liping; Deng, Anping; Chen, Dajing
CS Res. Lab. Appl. Chem., West China Univ. Med. Sci., Chengdu, 610041, Peop. Rep. China
SO Analytical Letters (1993), 26(6), 1065-71
AB Four systems used for chemiluminescence detn. of horseradish peroxidase [luminol-H2O2 (NaOH), pyrogallol-H2O2 (pH 6.5), luminol-H2O2-para-iodophenol (pH 8.5), and luminol-H2O2-para-hydroxylbiphenyl (pH 8.5)] were studied. The exptl. conditions were optimized and linear dynamic ranges and limits of detection detd. The HRP conjugates with different antibodies were also detd., on the basis of which methods for detn. of insulin, gentamycin, and Salmonella anatis by chemiluminescent immunoassay were established.

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STN INTERNATIONAL LOGOFF AT 18:08:43 ON 04 JUN 2008